

artdaq - Support #22188

Calculate code coverage of artdaq unit tests

03/22/2019 09:09 AM - Eric Flumerfelt

Status:	Closed	Start date:	03/22/2019
Priority:	Normal	Due date:	
Assignee:	Eric Flumerfelt	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	artdaq v3_09_04	Co-Assignees:	
Experiment:	Auger		
Description			
I have explored using gcov and lcov to create code coverage reports for our unit tests. These reports can be used to help ensure that critical sections of the artdaq suite code are fully exercised by our unit test suite.			

History

#1 - 03/22/2019 09:13 AM - Eric Flumerfelt

CMake code to calculate code coverage is on artdaq-core:feature/22188_CodeCoverage.

#2 - 12/07/2020 10:02 PM - Ron Rechenmacher

- Status changed from Work in progress to Resolved

```
mrbs gitCheckout -d artdaq_mpich_plugin ssh://p-artdaq-utilities@cdcvs.fnal.gov/cvs/projects/artdaq-utilities-mpich-plugin
mrbs gitCheckout -d artdaq_ganglia_plugin ssh://p-artdaq-utilities@cdcvs.fnal.gov/cvs/projects/artdaq-utilities-ganglia-plugin
mrbs gitCheckout -d artdaq_mfextensions ssh://p-mf-extensions@cdcvs.fnal.gov/cvs/projects/mf-extensions-git
mrbs gitCheckout -d artdaq_epics_plugin ssh://p-artdaq-utilities@cdcvs.fnal.gov/cvs/projects/artdaq-utilities-epics-plugin
mrbs gitCheckout -d artdaq_pcp_mmv_plugin ssh://p-artdaq-utilities@cdcvs.fnal.gov/cvs/projects/artdaq-utilities-pcp-mmv-plugin
mrbs gitCheckout -d artdaq_demo_hdf5 ssh://p-artdaq-demo@cdcvs.fnal.gov/cvs/projects/artdaq-demo-hdf5
```

Went over script w/ Eric...

ran demo, code review, and ran new artdaq_demo/tools/calculate_test_coverage.sh

#3 - 12/07/2020 10:06 PM - Ron Rechenmacher

- Status changed from Resolved to Reviewed

merged into develop in all the repos:

- artdaq
- artdaq_core
- artdaq_core_demo
- artdaq_demo
- artdaq_demo_hdf5
- artdaq_epics_plugin
- artdaq_ganglia_plugin
- artdaq_mfextensions
- artdaq_mpich_plugin
- artdaq_pcp_mmv_plugin
- artdaq_utilities

#4 - 01/06/2021 11:57 AM - Gennadiy Lukhanin

artdaq-core:feature/22188_UtilitiesTests was tested on the Icarus cluster for interference with the SBN DAQ software and merged into the develop branch.

#5 - 01/08/2021 02:39 PM - Eric Flumerfelt

- Target version set to artdaq v3_09_04

- Status changed from Reviewed to Closed